



VISIONARY ENVIRONMENTS

RMLA Conference • Christchurch Town Hall • 26–27 September 2019 • www.rmla.org.nz

What role does transport have in achieving Sn5 of the RMA

Prof Simon Kingham

Tari Mātai Matawhenua | Dept of Geography

Te Whare Wānanga o Waitaha | University of Canterbury

Kaitohutohu Matua Pūtaiao | Chief Science Advisor

Te Manatū Waka | Ministry of Transport





Avoid-Shift-Improve Framework in Support Low Carbon Mobility

Avoid

Avoid and reduce the need for motorized travel

Shift

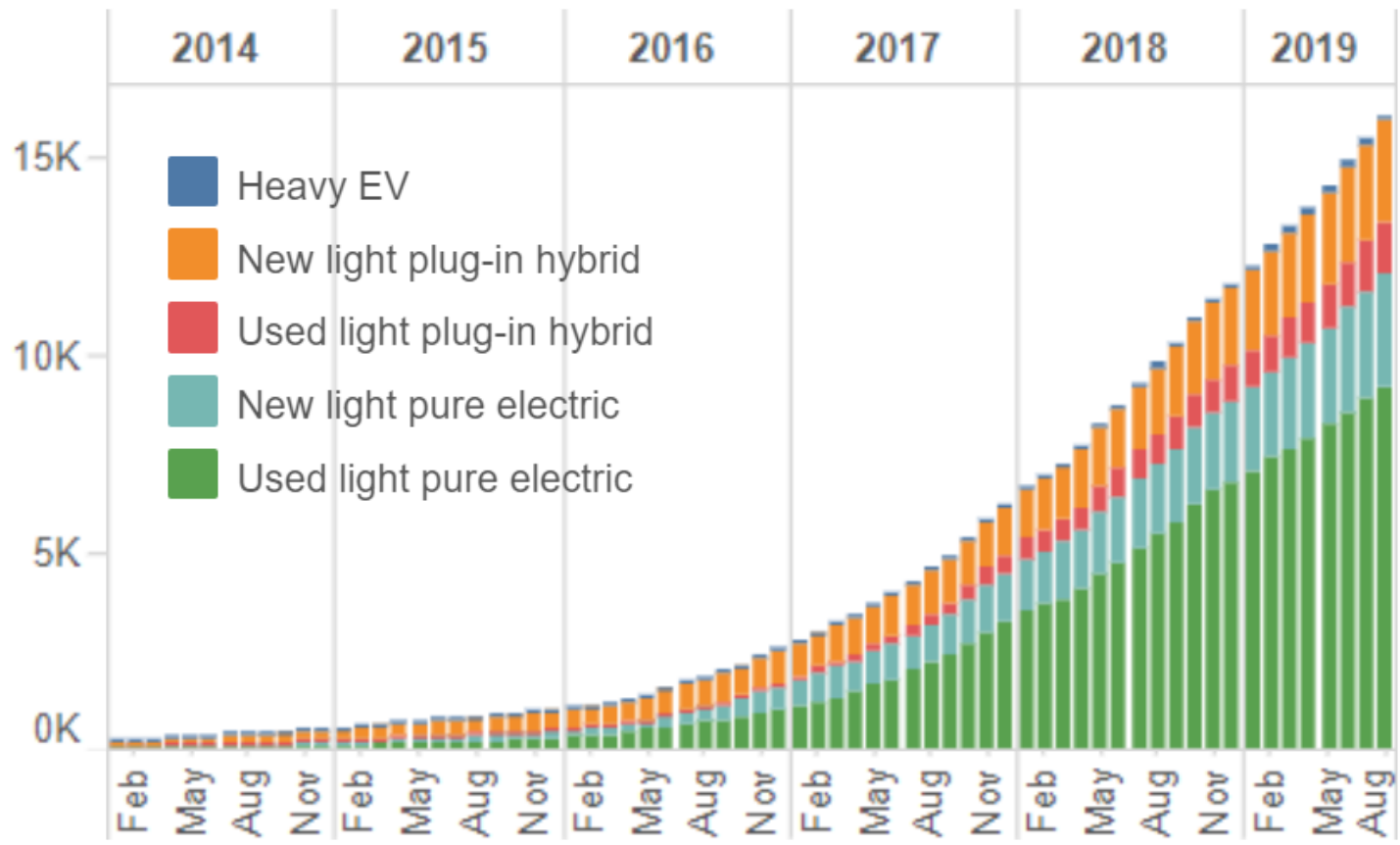
Shift to more environmentally friendly modes

Improve

Improve energy efficiency of transport modes



EV fleet size



CHRISTCHURCH HISTORIC ELECTRIC TRAM ROUTES

NETWORK EXTENT 1905-1954

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THE MAP KIWI
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- REFERENCE**
- PAPANUI - CASHMERE LINE
 - FENDALTON - OPAWA LINE
 - RICCARTON LINE
 - CRANFORD ST - LINCOLN RD LINE
 - ST ALBANS - SPREYDON LINE
 - ST MARTINS LINE
 - SUMNER LINE
 - BRIGHTON LINE
 - DALLINGTON LINE
 - NORTH BEACH LINE
 - RAILWAY STATION LINE



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Want to Fight Climate Change? Swap Out Your Car for a Bike

A NEW REPORT WARNS THAT WE NEED TO REDUCE OUR CARBON FOOTPRINT BEFORE IT'S TOO LATE. HERE'S HOW BIKE COMMUTING CAN HELP.



BY DANIELLE ZICKL Oct 11, 2018



Ministry of Transport – Outcomes Framework

Inclusive access

Enabling all people to participate in society through access to social and economic opportunities, such as work, education, and healthcare.

Economic prosperity

Supporting economic activity via local, regional, and international connections, with efficient movements of people and products.

Healthy and safe people

Protecting people from transport-related injuries and harmful pollution, and making active travel an attractive option.

Environmental sustainability

Transitioning to net zero carbon emissions, and maintaining or improving biodiversity, water quality, and air quality.

Resilience and security

Minimising and managing the risks from natural and human-made hazards, anticipating and adapting to emerging threats, and recovering effectively from disruptive events.

A transport system that improves wellbeing and liveability

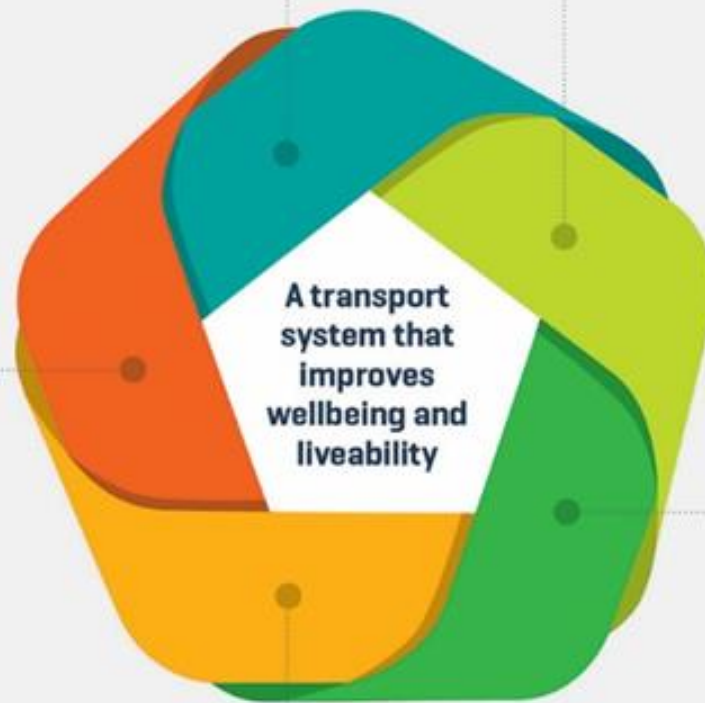


IMAGE BEFORE

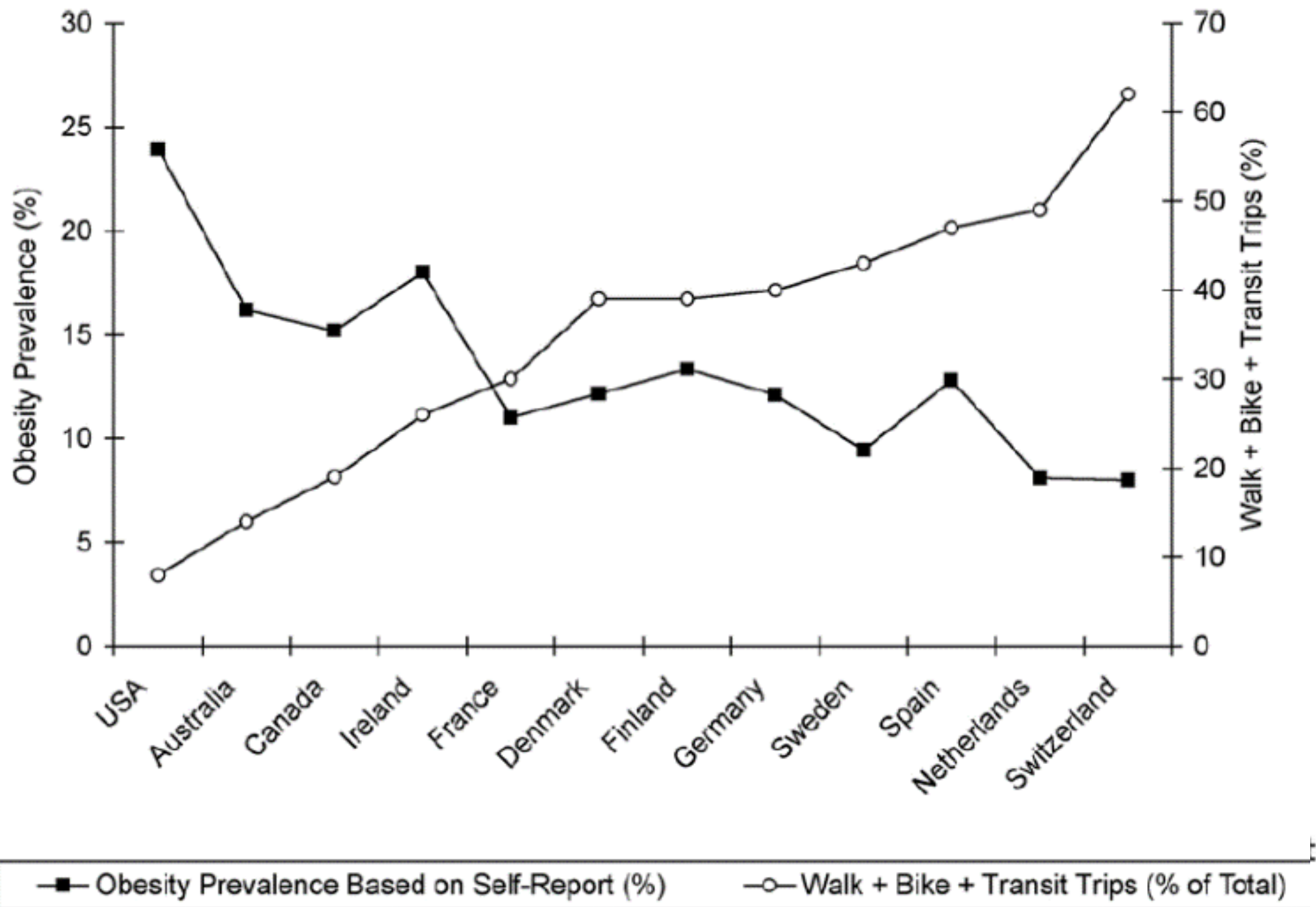


IMAGE AFTER



<https://www.publicspace.org/works/-/project/k081-poblenou-s-superblock>

Source: Bassett et al, 2008, Walking, Cycling, and Obesity Rates in Europe, North America, and Australia. *Journal of Physical Activity & Health* 5 (6):795-814.



Cities

Resilient cities

Cities with physically active residents more productive as well as healthier

Increasing amount of green space and promoting walking, cycling and use of public transport has significant economic benefits, study concludes



[10k](#)
[26](#)

Peter Walker

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Tuesday 9 June 2015

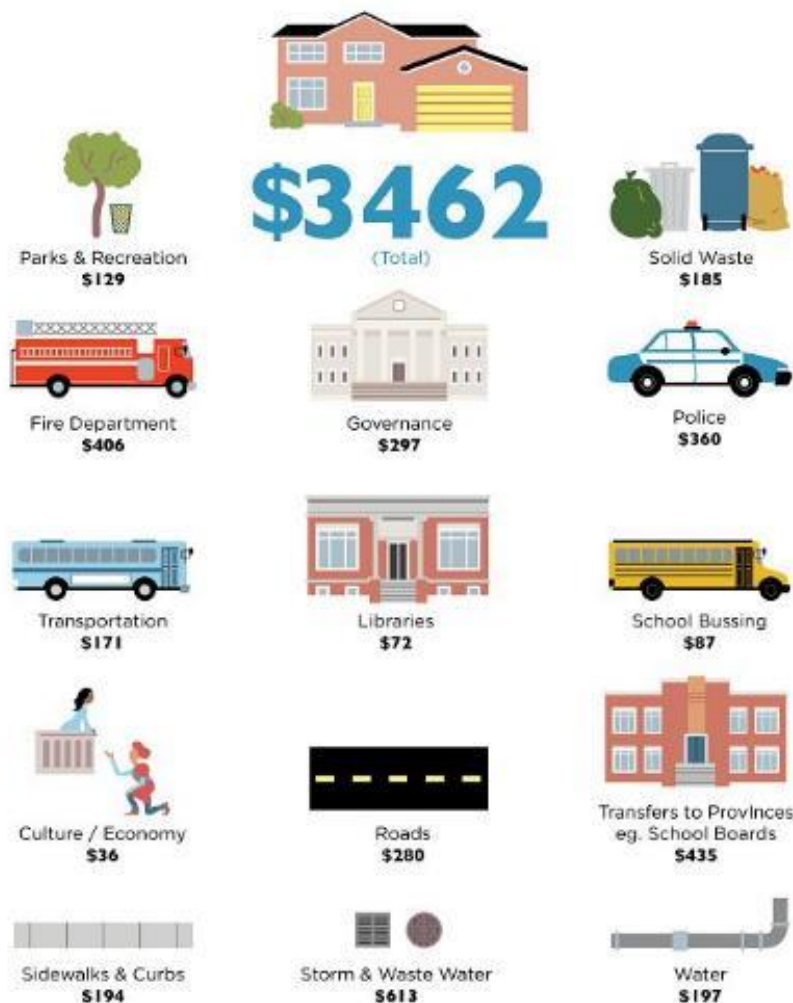


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Suburban

City's Annual Cost, per Household



SP Sustainable Prosperity

For more data and more reports, visit thecostofsprawl.com
Data based on Halifax Regional Municipality

Urban

City's Annual Cost, per Household



SP Sustainable Prosperity

For more data and more reports, visit thecostofsprawl.com
Data based on Halifax Regional Municipality

<https://i0.wp.com/usa.streetsblog.org/wp-content/uploads/sites/5/2015/03/sprawlurban.jpg>

Ministry of Transport
TE MANATŪ WAKA

